ABSTRACT OF THE INVENTION

A short optical glass is disclosed which is particularly suited for the applications imaging, projection, telecommunication, optical information technology and/or laser technology, also particularly suited for fiber applications (light guides or imaging guides). Preferably, the glass has a refractive index of $1.54 \leq n_d \leq 1.62$ and an Abbe coefficient of $48 \leq \nu_d = 57$. It further has good attenuating and ion exchange characteristics, good chemical stability and good crystallization stability. The glass comprises 35 to 50 wt.-% SiO_2, 0,1 to 6 wt.-% B_2O_3, 0,1 to 7 wt.-% Al_2O_3, 0,1 to 4 wt.-% P_2O_5, 4 to 24 wt.-% R_2O (alkali oxides), 6 to 14,5 wt.-% BaO, 0 to 12 wt.-% other RO (alkaline earth oxides), 14 to 25 wt.-% ZnO, 0 to 5 wt.-% La_2O_3, 0 to 10 wt.-% ZrO_2, wherein R_2O is an alkali oxide, RO is an alkaline earth oxide other than BaO, wherein Li_2O is 6 wt.-% at the most, wherein the glass does not contain any GeO_2, SnO, SnO_2, AgO, Sb_2O_3 and, preferably, no rare earth oxides, and wherein the glass may be molten while adding suitable purifying agents.